

Title (en)
COMPRESSION-FREE AND SINGLE-BEAM GENERATION OF A CARRIER-ENVELOPE PHASE-STABLE OPTICAL PULSE

Title (de)
KOMPRESSIONSFREIE UND EINZELSTRAHLERZEUGUNG EINES TRÄGERHÜLLENPHASENSTABILEN OPTISCHEN IMPULSES

Title (fr)
GÉNÉRATION DE FAISCEAUX INDIVIDUELS ET SANS COMPRESSION D'UNE IMPULSION OPTIQUE À PHASE STABLE D'ENVELOPPE DE SUPPORT

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Application
EP 19306254 A 20191001

Priority
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Abstract (en)
The present invention is notably directed to methods and systems for generating a CEP-stable optical pulse of optical carrier frequency $f_{i</sub>p</sub>}$ from input optical pulses, the input optical pulses having an optical carrier frequency $f_{p</sub>}$ and pulse duration $T_{p</sub>}$. A birefringent medium, a non nonlinear medium, a dispersive optical system, a parametric device (DFG) are successively used to achieve the generation.

IPC 8 full level
G02F 1/35 (2006.01); **G02F 1/39** (2006.01); **H01S 3/00** (2006.01)

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Citation (applicant)

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